

## Patent Assignment Abstract of Title

**Total Assignments: 2****Application #:** 09995149 **Filing Dt:** 11/27/2001**Patent #:** NONE**Issue Dt:****PCT #:** NONE**Publication #:** NONE**Pub Dt:****Inventors:** Jarrett E. Archer, Joseph A. Scivicque, Frederick A. Sherman, Heath W. Hendrickson**Title:** Communication systems and QSIG communications methods**Assignment: 1**

<b>Reel/Frame:</b>	<u>012337 / 0566</u>	<b>Received:</b>	<b>Recorded:</b>	<b>Mailed:</b>	<b>Pages:</b>
		12/06/2001	11/27/2001	01/28/2002	2

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignor:** HENDRICKSON, HEATH W.**Exec Dt:** 11/08/2001**Assignee:** WORLD COM, INC.500 CLINTON CENTER DRIVE  
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<b>Reel/Frame:</b>	<u>012644 / 0140</u>	<b>Received:</b>	<b>Recorded:</b>	<b>Mailed:</b>	<b>Pages:</b>
		03/11/2002	02/27/2002	05/01/2002	4

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignors:** ARCHER, JARRETT A.**Exec Dt:** 01/24/2002SCIVICQUE, JOSEPH A.**Exec Dt:** 01/23/2002SHERMAN, FREDERICK A.**Exec Dt:** 01/12/2002**Assignee:** WORLDCOM INC.500 CLINTON CENTER DRIVE  
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Web interface last modified: September 28, 2005

## Refine Search

### Search Results -

Terms	Documents
6304576.pn. or 5953350.pn. or 5659542.pn.	3

Database:

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### Search History

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<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
	<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>		
<u>L69</u>	6304576.pn. or 5953350.pn. or 5659542.pn.	3	<u>L69</u>
<u>L68</u>	(bearer near1 channel\$) and L61	6	<u>L68</u>
<u>L67</u>	L61 and PBX\$	31	<u>L67</u>
<u>L66</u>	L61 and L30	1	<u>L66</u>
<u>L65</u>	QSIG same L30	5	<u>L65</u>
<u>L64</u>	L30 and L62	11	<u>L64</u>
<u>L63</u>	QSIG and L62	0	<u>L63</u>
<u>L62</u>	((data near1 network\$6) or ATM or (asyntronus near1 transfer near1 mode) or (frame near1 relay)) same ((access\$6 near1 device\$) or gateway\$ or router\$ or switch\$6 or bridge\$) same ((control\$6 near1 component\$) or (call\$6 near1 agent\$))	215	<u>L62</u>
<u>L61</u>	((data near1 network\$6) or ATM or (asyntronus near1 transfer near1 mode) or (frame near1 relay)) same ((access\$6 near1 device\$) or gateway\$) same	67	<u>L61</u>

	((control\$6 near1 component\$) or (call\$6 near1 agent\$))		
<u>L60</u>	agent\$ and L56	1	<u>L60</u>
<u>L59</u>	L56 and ((control\$6 near1 component\$) or (call\$6 near1 agent\$))	0	<u>L59</u>
<u>L58</u>	L56 and (((content near1 (portion\$ or packet\$)) or (B near1 channel\$)) and (((signaling or signal\$6) near1 (portion\$ or packet\$)) or (D near1 channel\$)))	0	<u>L58</u>
<u>L57</u>	L56 and L30	0	<u>L57</u>
<u>L56</u>	QSIG same (bearer near1 channel\$6)	2	<u>L56</u>
<u>L55</u>	((control\$6 near1 component\$) or (call\$6 near1 agent\$)) and L54	4	<u>L55</u>
<u>L54</u>	(bearer near1 channel\$6) and QSIG	23	<u>L54</u>
<u>L53</u>	QSIG same tunnel\$6	4	<u>L53</u>
<u>L52</u>	(L23 same ((control\$6 near1 component\$) or (call\$6 near1 agent\$))) and QSIG	2	<u>L52</u>
<u>L51</u>	L23 same ((control\$6 near1 component\$) or (call\$6 near1 agent\$)) same QSIG	0	<u>L51</u>
<u>L50</u>	QSIG and L49	0	<u>L50</u>
<u>L49</u>	L23 same ((access\$6 near1 device\$) or gateway\$) same ((control\$6 near1 component\$) or (call\$6 near1 agent\$))	67	<u>L49</u>
<u>L48</u>	(((content near1 (portion\$ or packet\$)) or (B near1 channel\$)) or (((signaling or signal\$6) near1 (portion\$ or packet\$)) or (D near1 channel\$))) and L44	11	<u>L48</u>
<u>L47</u>	((content near1 (portion\$ or packet\$)) or (B near1 channel\$)) and (((signaling or signal\$6) near1 (portion\$ or packet\$)) or (D near1 channel\$)) and L44	0	<u>L47</u>
<u>L46</u>	(bearer\$ or L30) and L44	0	<u>L46</u>
<u>L45</u>	bearer\$ same L44	0	<u>L45</u>
<u>L44</u>	L23 same ((access\$6 near1 device\$) or gateway\$) same ((control\$6 near1 component\$) or (call\$6 near1 agent\$)) same PBX\$	15	<u>L44</u>
<u>L43</u>	PBX\$ same L39	15	<u>L43</u>
<u>L42</u>	L39 and L36	0	<u>L42</u>
<u>L41</u>	L39 and L30	1	<u>L41</u>
<u>L40</u>	L39 and (L30 or L36)	1	<u>L40</u>
<u>L39</u>	L34 same L23 same L13	65	<u>L39</u>
<u>L38</u>	L24 and (L30 or L36)	6	<u>L38</u>
<u>L37</u>	L36 same L30	5	<u>L37</u>
<u>L36</u>	(Q near1 Interface near1 (Signaling or signal\$6) near1 Protocol) or QSIG	184	<u>L36</u>
<u>L35</u>	L34 and (L32 or L31)	4	<u>L35</u>
<u>L34</u>	(network\$6 near1 access\$6 near1 device\$) or gateway\$	50875	<u>L34</u>
<u>L33</u>	L14 and L32	2	<u>L33</u>
<u>L32</u>	QSIG same L30	5	<u>L32</u>
<u>L31</u>	QSIG and L30	22	<u>L31</u>
<u>L30</u>	(((content near1 (portion\$ or packet\$)) or (B near1 channel\$)) same (((signaling or signal\$6) near1 (portion\$ or packet\$)) or (D near1 channel\$)))	2371	<u>L30</u>
<u>L29</u>	L19 same L28	42	<u>L29</u>
<u>L28</u>	QSIG	184	<u>L28</u>
<u>L27</u>	QSIG\$	214	<u>L27</u>

<u>L26</u>	QSIG near1 access\$6 near1 protocol\$	0	<u>L26</u>
<u>L25</u>	QSIG and L24	2	<u>L25</u>
<u>L24</u>	L23 same L13 same L14	144	<u>L24</u>
<u>L23</u>	(data near1 network\$6) or ATM or (asyntronus near1 transfer near1 mode) or (frame near1 relay)	121394	<u>L23</u>
<u>L22</u>	L20 and L21	7	<u>L22</u>
<u>L21</u>	QSIG or (signal\$6 near1 protocol\$)	11346	<u>L21</u>
<u>L20</u>	L16 same L19	47	<u>L20</u>
<u>L19</u>	(content or voice or (B near1 channel\$)) same (signal\$6 or (D near1 channel\$))	207438	<u>L19</u>
<u>L18</u>	QSIG same tunnel\$6 same signal\$6	1	<u>L18</u>
<u>L17</u>	QSIG and L16	2	<u>L17</u>
<u>L16</u>	L13 same L14 same L15	196	<u>L16</u>
<u>L15</u>	((data or packet\$) near1 network\$6) or ATM or (asyntronus near1 transfer near1 mode) or (frame near1 relay)	129670	<u>L15</u>
<u>L14</u>	(network\$6 near1 access\$6 or device\$) or gateway\$	2776835	<u>L14</u>
<u>L13</u>	(control\$6 near1 component\$) or (call\$6 near1 agent\$)	62611	<u>L13</u>
<u>L12</u>	control\$6 same ((packet or data) near1 network\$6) same L2	2	<u>L12</u>
<u>L11</u>	L10 same (ETSI/ITU or QSIG)	9	<u>L11</u>
<u>L10</u>	content\$ same (signaling or signal\$6)	146084	<u>L10</u>
<u>L9</u>	ETSI/ITU same L5	0	<u>L9</u>
<u>L8</u>	QSIG and L5	0	<u>L8</u>
<u>L7</u>	L2 and l5	0	<u>L7</u>
<u>L6</u>	L2 same L5	0	<u>L6</u>
<u>L5</u>	(content near1 (portion\$ or packet\$)) same ((signaling or signal\$6) near1 (portion\$ or packet\$))	128	<u>L5</u>
<u>L4</u>	L2 same L3	12	<u>L4</u>
<u>L3</u>	(content or (signaling or signal\$6)) near1 (portion\$ or packet\$)	58505	<u>L3</u>
<u>L2</u>	QSIG	184	<u>L2</u>
<u>L1</u>	QSIG near1 access near1 protocol	0	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
(bearer near1 channel\$) and L70	6

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<u>L74</u>	(bearer near1 channel\$) and L70	6	<u>L74</u>
<u>L73</u>	ETSI/ITU and L70	0	<u>L73</u>
<u>L72</u>	L70 same PBX\$	15	<u>L72</u>
<u>L71</u>	L70 and (QSIG or (bearer near1 channel\$6))	6	<u>L71</u>
<u>L70</u>	((data near1 network\$6) or ATM or (asyntronus near1 transfer near1 mode) or (frame near1 relay)) same ((control\$6 near1 component\$) or (call\$6 near1 agent\$)) same ((access\$6 near1 device\$) or gateway\$)	67	<u>L70</u>
<u>L69</u>	6304576.pn. or 5953350.pn. or 5659542.pn.	3	<u>L69</u>
<u>L68</u>	(bearer near1 channel\$) and L61	6	<u>L68</u>
<u>L67</u>	L61 and PBX\$	31	<u>L67</u>
<u>L66</u>	L61 and L30	1	<u>L66</u>
<u>L65</u>	QSIG same L30	5	<u>L65</u>
<u>L64</u>	L30 and L62	11	<u>L64</u>

<u>L63</u>	QSIG and L62	0	<u>L63</u>
<u>L62</u>	((data near1 network\$6) or ATM or (asyntronus near1 transfer near1 mode) or (frame near1 relay)) same ((access\$6 near1 device\$) or gateway\$ or router\$ or switch\$6 or bridge\$) same ((control\$6 near1 component\$) or (call\$6 near1 agent\$))	215	<u>L62</u>
<u>L61</u>	((data near1 network\$6) or ATM or (asyntronus near1 transfer near1 mode) or (frame near1 relay)) same ((access\$6 near1 device\$) or gateway\$) same ((control\$6 near1 component\$) or (call\$6 near1 agent\$))	67	<u>L61</u>
<u>L60</u>	agent\$ and L56	1	<u>L60</u>
<u>L59</u>	L56 and ((control\$6 near1 component\$) or (call\$6 near1 agent\$))	0	<u>L59</u>
<u>L58</u>	L56 and (((content near1 (portion\$ or packet\$)) or (B near1 channel\$)) and (((signaling or signal\$6) near1 (portion\$ or packet\$)) or (D near1 channel\$)))	0	<u>L58</u>
<u>L57</u>	L56 and L30	0	<u>L57</u>
<u>L56</u>	QSIG same (bearer near1 channel\$6)	2	<u>L56</u>
<u>L55</u>	((control\$6 near1 component\$) or (call\$6 near1 agent\$)) and L54	4	<u>L55</u>
<u>L54</u>	(bearer near1 channel\$6) and QSIG	23	<u>L54</u>
<u>L53</u>	QSIG same tunnel\$6	4	<u>L53</u>
<u>L52</u>	(L23 same ((control\$6 near1 component\$) or (call\$6 near1 agent\$))) and QSIG	2	<u>L52</u>
<u>L51</u>	L23 same ((control\$6 near1 component\$) or (call\$6 near1 agent\$)) same QSIG	0	<u>L51</u>
<u>L50</u>	QSIG and L49	0	<u>L50</u>
<u>L49</u>	L23 same ((access\$6 near1 device\$) or gateway\$) same ((control\$6 near1 component\$) or (call\$6 near1 agent\$))	67	<u>L49</u>
<u>L48</u>	((content near1 (portion\$ or packet\$)) or (B near1 channel\$)) or (((signaling or signal\$6) near1 (portion\$ or packet\$)) or (D near1 channel\$))) and L44	11	<u>L48</u>
<u>L47</u>	((content near1 (portion\$ or packet\$)) or (B near1 channel\$)) and (((signaling or signal\$6) near1 (portion\$ or packet\$)) or (D near1 channel\$))) and L44	0	<u>L47</u>
<u>L46</u>	(bearer\$ or L30) and L44	0	<u>L46</u>
<u>L45</u>	bearer\$ same L44	0	<u>L45</u>
<u>L44</u>	L23 same ((access\$6 near1 device\$) or gateway\$) same ((control\$6 near1 component\$) or (call\$6 near1 agent\$)) same PBX\$	15	<u>L44</u>
<u>L43</u>	PBX\$ same L39	15	<u>L43</u>
<u>L42</u>	L39 and L36	0	<u>L42</u>
<u>L41</u>	L39 and L30	1	<u>L41</u>
<u>L40</u>	L39 and (L30 or L36)	1	<u>L40</u>
<u>L39</u>	L34 same L23 same L13	65	<u>L39</u>
<u>L38</u>	L24 and (L30 or L36)	6	<u>L38</u>
<u>L37</u>	L36 same L30	5	<u>L37</u>
<u>L36</u>	(Q near1 Interface near1 (Signaling or signal\$6) near1 Protocol) or QSIG	184	<u>L36</u>
<u>L35</u>	L34 and (L32 or L31)	4	<u>L35</u>
<u>L34</u>	(network\$6 near1 access\$6 near1 device\$) or gateway\$	50875	<u>L34</u>
<u>L33</u>	L14 and L32	2	<u>L33</u>
<u>L32</u>	QSIG same L30	5	<u>L32</u>

<u>L31</u>	QSIG and L30	22	<u>L31</u>
<u>L30</u>	((content near1 (portion\$ or packet\$)) or (B near1 channel\$)) same (((signaling or signal\$6) near1 (portion\$ or packet\$)) or (D near1 channel\$))	2371	<u>L30</u>
<u>L29</u>	L19 same L28	42	<u>L29</u>
<u>L28</u>	QSIG	184	<u>L28</u>
<u>L27</u>	QSIG\$	214	<u>L27</u>
<u>L26</u>	QSIG near1 access\$6 near1 protocol\$	0	<u>L26</u>
<u>L25</u>	QSIG and L24	2	<u>L25</u>
<u>L24</u>	L23 same L13 same L14	144	<u>L24</u>
<u>L23</u>	(data near1 network\$6) or ATM or (asyntronus near1 transfer near1 mode) or (frame near1 relay)	121394	<u>L23</u>
<u>L22</u>	L20 and L21	7	<u>L22</u>
<u>L21</u>	QSIG or (signal\$6 near1 protocol\$)	11346	<u>L21</u>
<u>L20</u>	L16 same L19	47	<u>L20</u>
<u>L19</u>	(content or voice or (B near1 channel\$)) same (signal\$6 or (D near1 channel\$))	207438	<u>L19</u>
<u>L18</u>	QSIG same tunnel\$6 same signal\$6	1	<u>L18</u>
<u>L17</u>	QSIG and L16	2	<u>L17</u>
<u>L16</u>	L13 same L14 same L15	196	<u>L16</u>
<u>L15</u>	((data or packet\$) near1 network\$6) or ATM or (asyntronus near1 transfer near1 mode) or (frame near1 relay)	129670	<u>L15</u>
<u>L14</u>	(network\$6 near1 access\$6 or device\$) or gateway\$	2776835	<u>L14</u>
<u>L13</u>	(control\$6 near1 component\$) or (call\$6 near1 agent\$)	62611	<u>L13</u>
<u>L12</u>	control\$6 same ((packet or data) near1 network\$6) same L2	2	<u>L12</u>
<u>L11</u>	L10 same (ETSI/ITU or QSIG)	9	<u>L11</u>
<u>L10</u>	content\$ same (signaling or signal\$6)	146084	<u>L10</u>
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<u>L7</u>	L2 and l5	0	<u>L7</u>
<u>L6</u>	L2 same L5	0	<u>L6</u>
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<u>L4</u>	L2 same L3	12	<u>L4</u>
<u>L3</u>	(content or (signaling or signal\$6)) near1 (portion\$ or packet\$)	58505	<u>L3</u>
<u>L2</u>	QSIG	184	<u>L2</u>
<u>L1</u>	QSIG near1 access near1 protocol	0	<u>L1</u>

END OF SEARCH HISTORY